

FIG.1

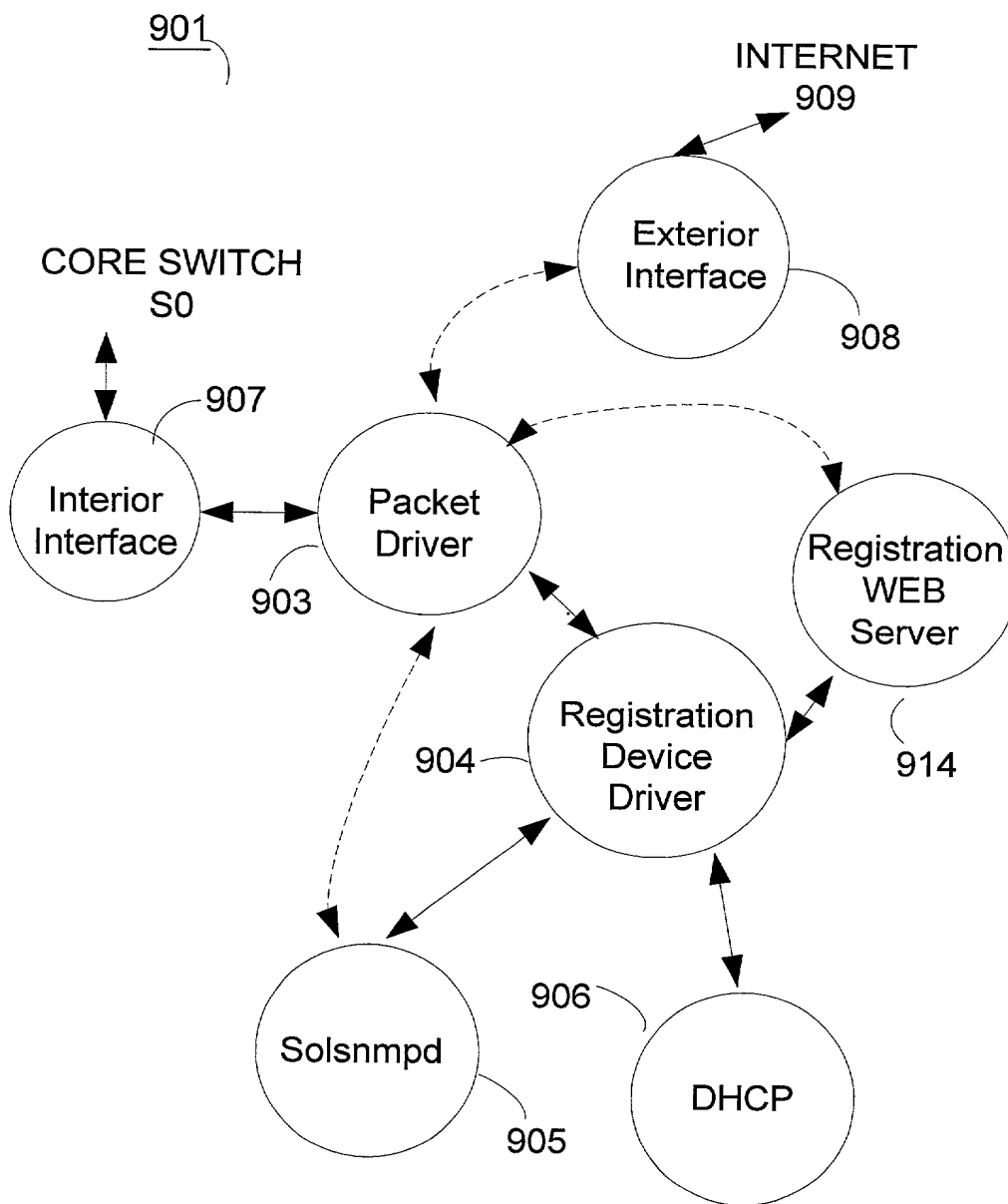


FIG.2

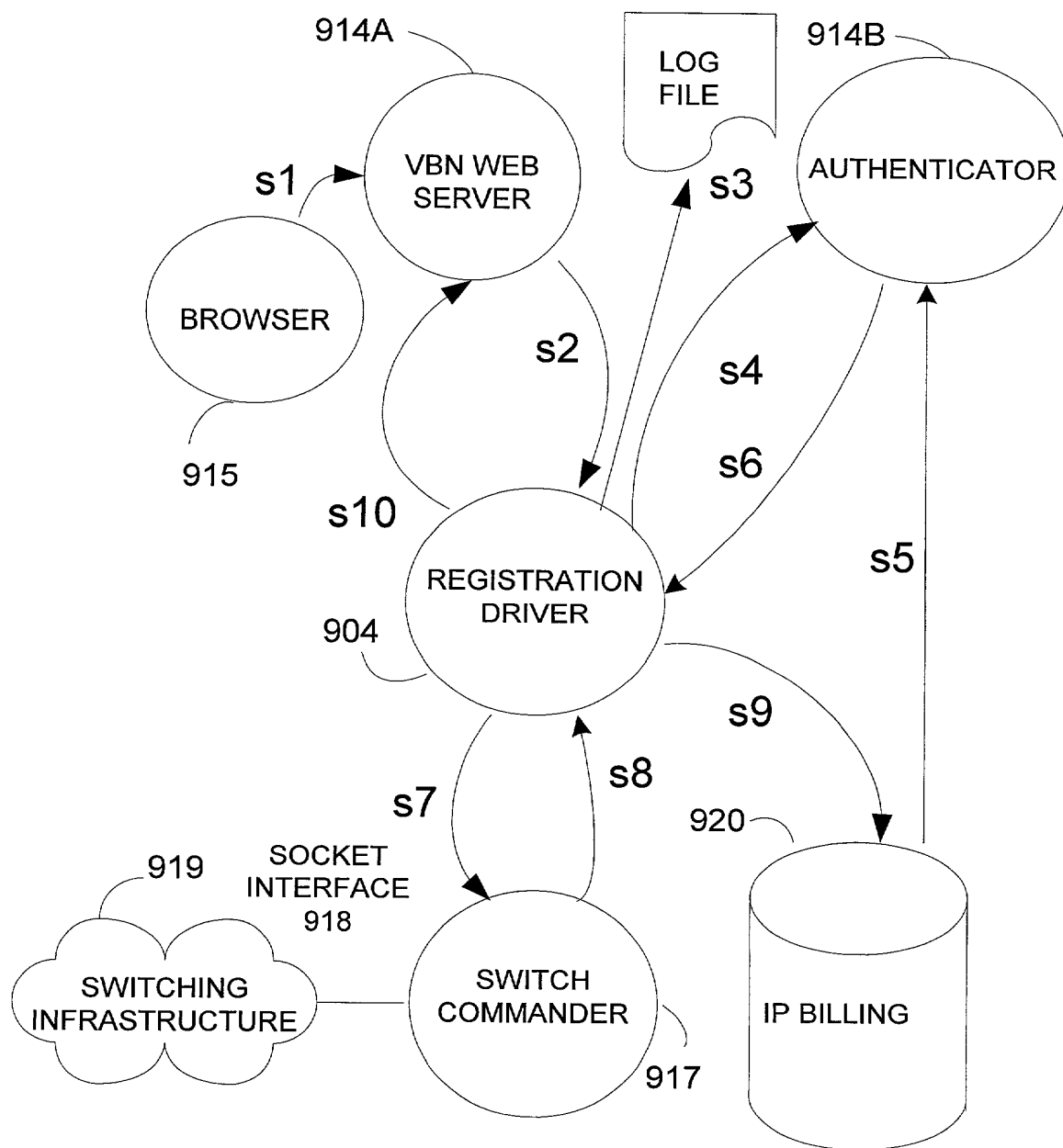


FIG.3

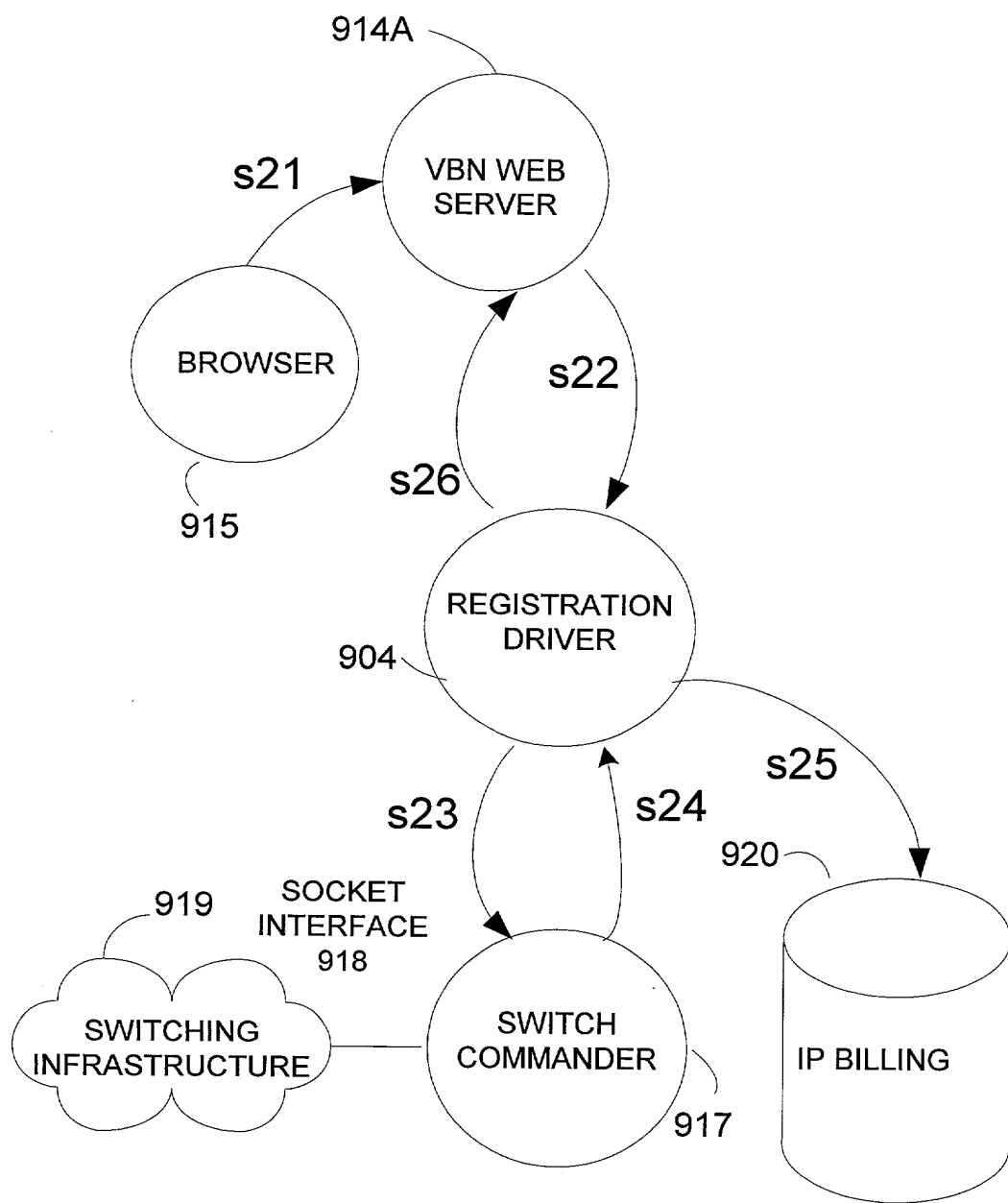


FIG.4

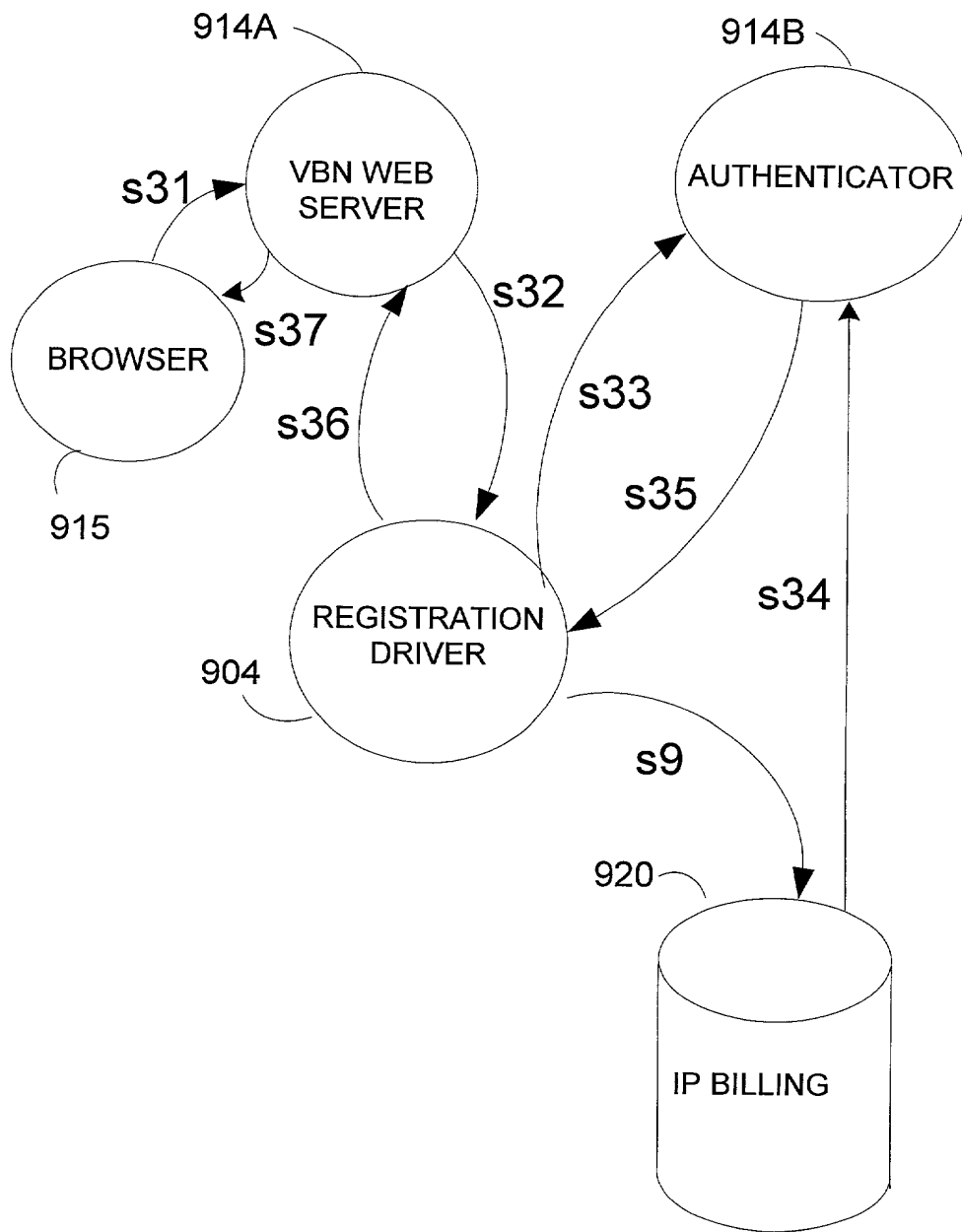


FIG.5

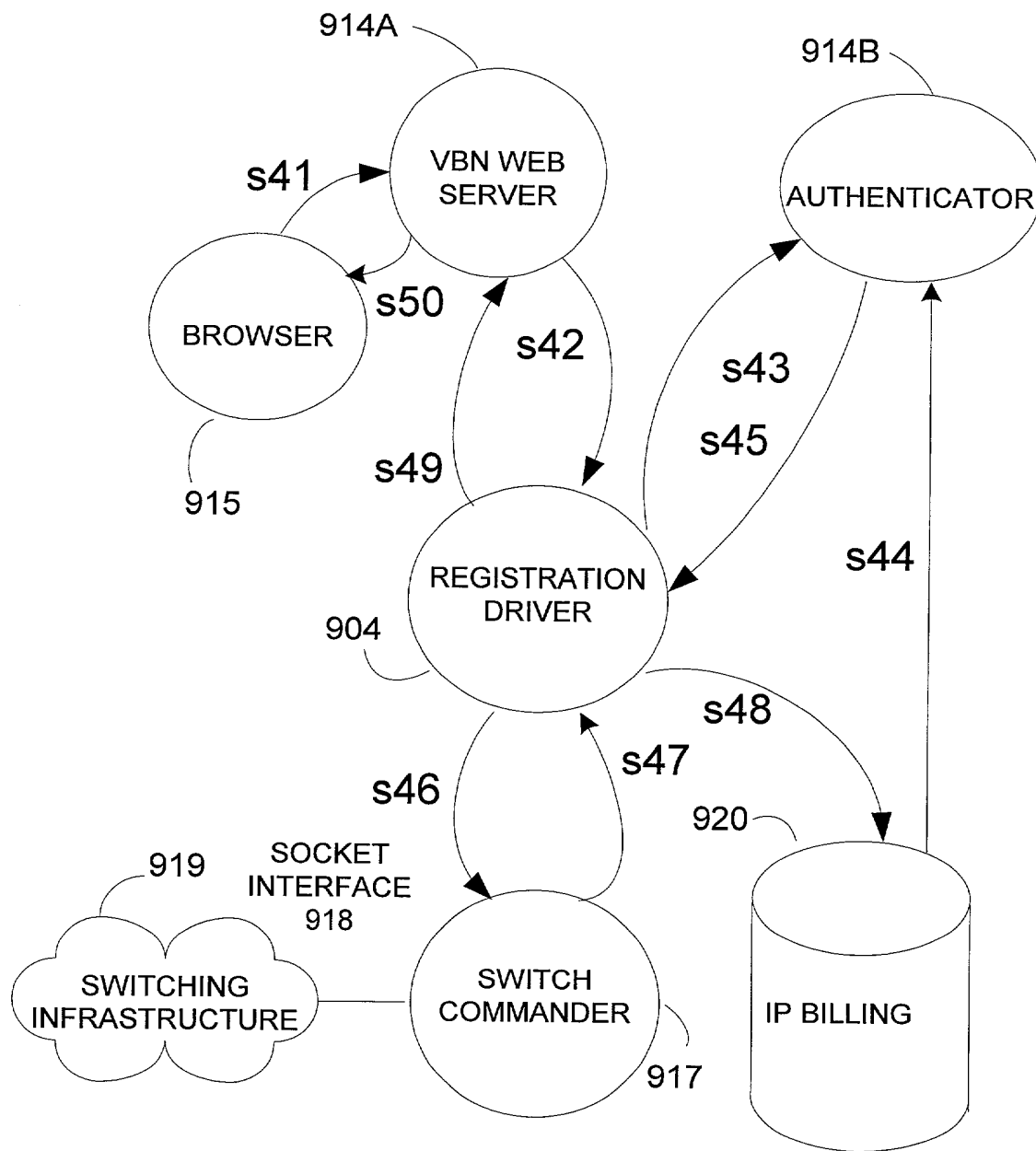


FIG.6

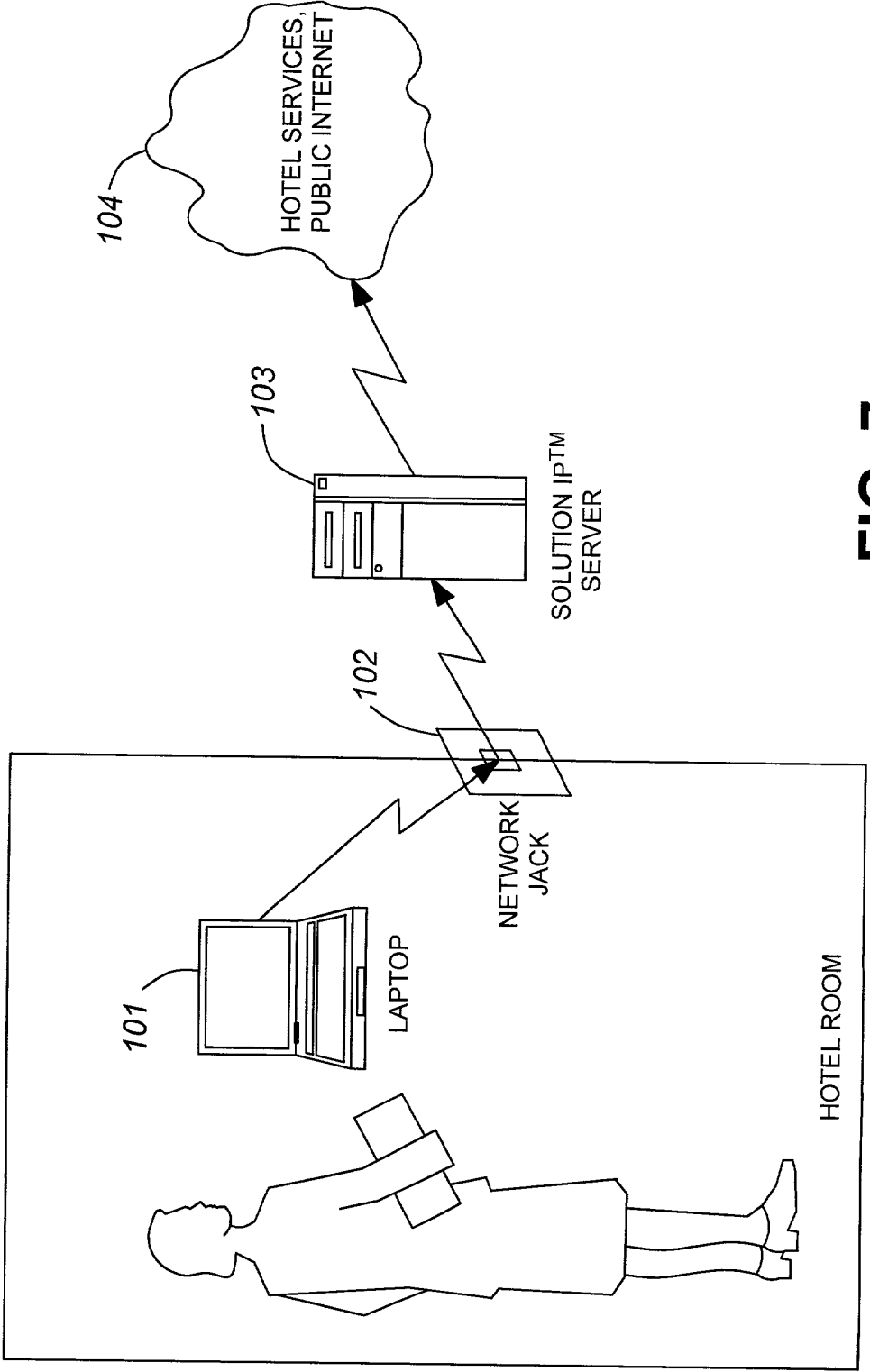


FIG. 7

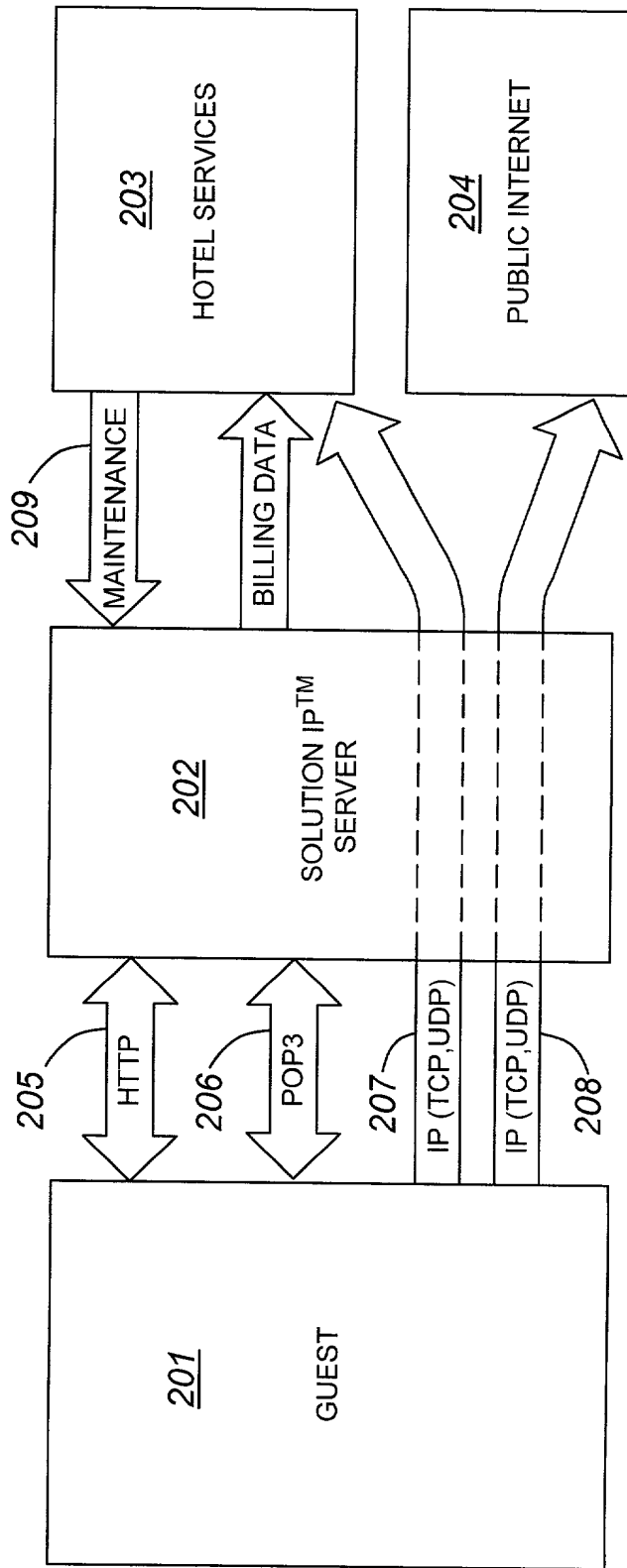


FIG. 8

FIG. 9 is a block diagram of a system architecture for a hotel guest network. The system is divided into a KERNEL and a USER space. The KERNEL space contains the ARP (307), IPFW INPUT RULES (305), IPFW FORWARDING RULES (306), PACKET DRIVER (303), and TCP/IP SOCKET INTERFACE (311). The USER space contains the DNS (312), POP3 (313), REGISTRATION WEB SERVER (314), SOLN DAEMON (315), DHCP (316), and COMMAND LINE INTERFACE (317). The system also includes an INTERIOR INTERFACE (302) connecting to a HOTEL GUEST (301), an EXTERIOR INTERFACE (308) connecting to the INTERNET (309), and a REGISTRATION/GUEST SERVICES (310) server. The REGISTRATION DEVICE DRIVER (304) acts as a central component, interacting with the PACKET DRIVER (303), TCP/IP SOCKET INTERFACE (311), and the REGISTRATION WEB SERVER (314).

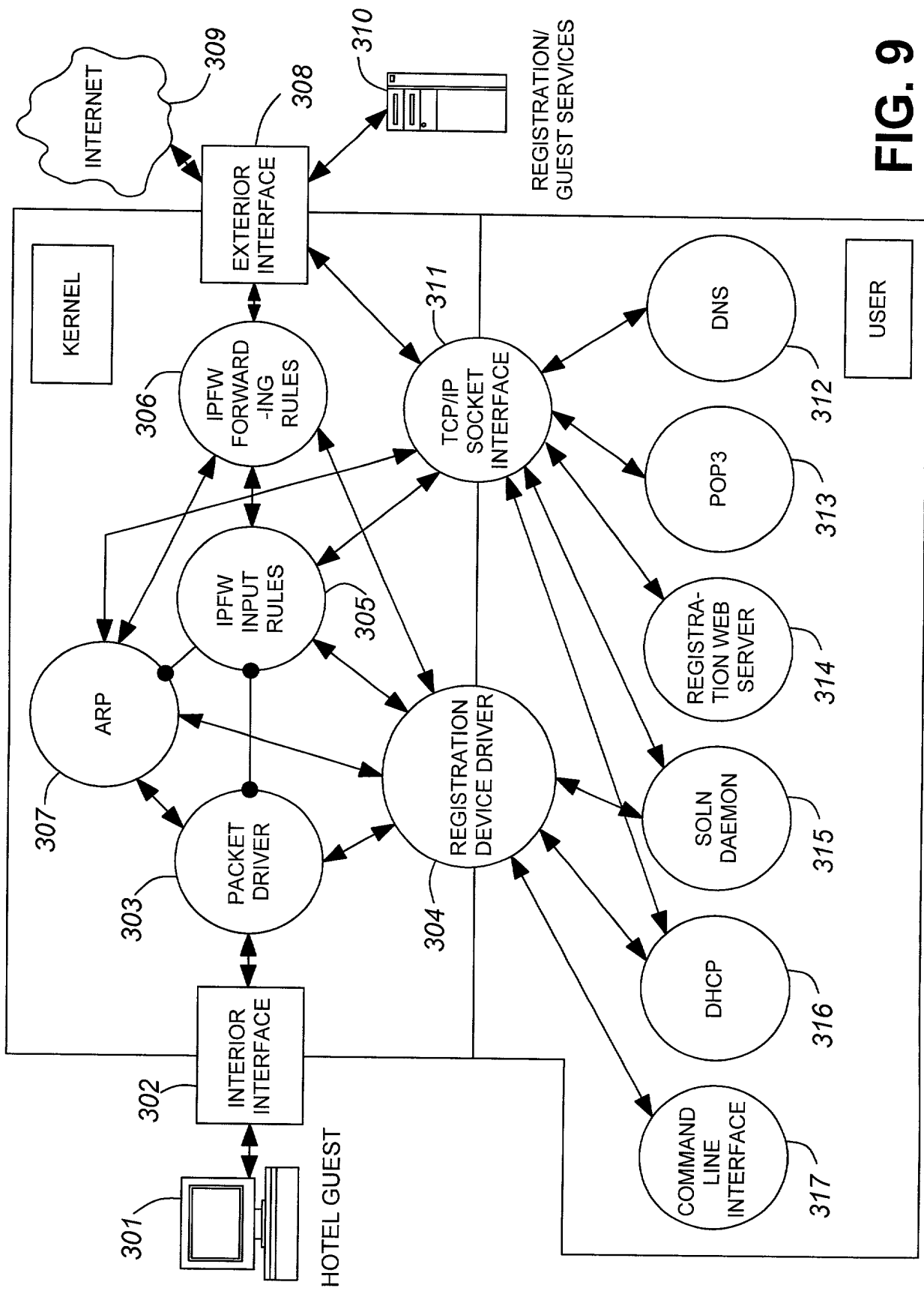


FIG. 9

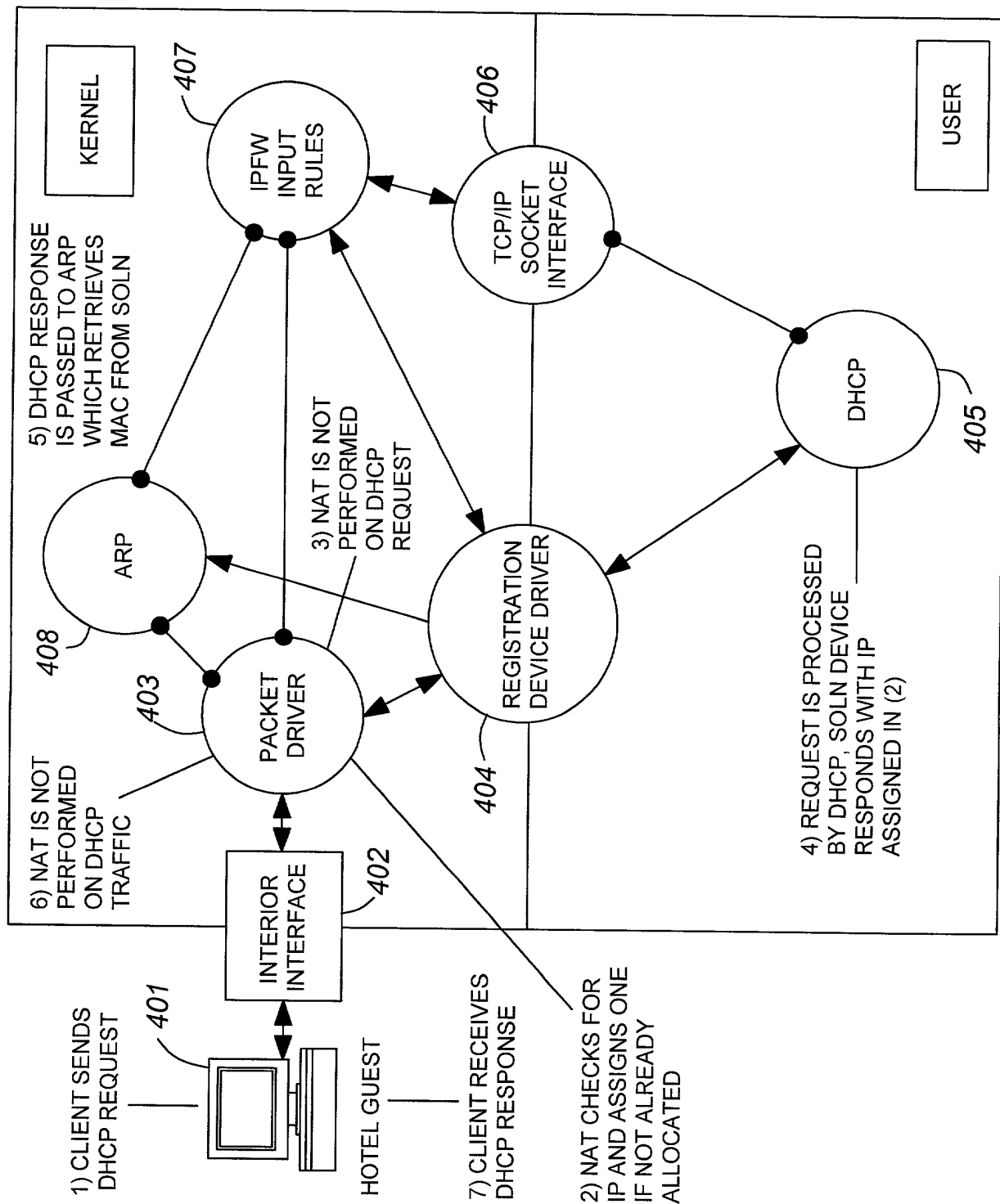


FIG. 10

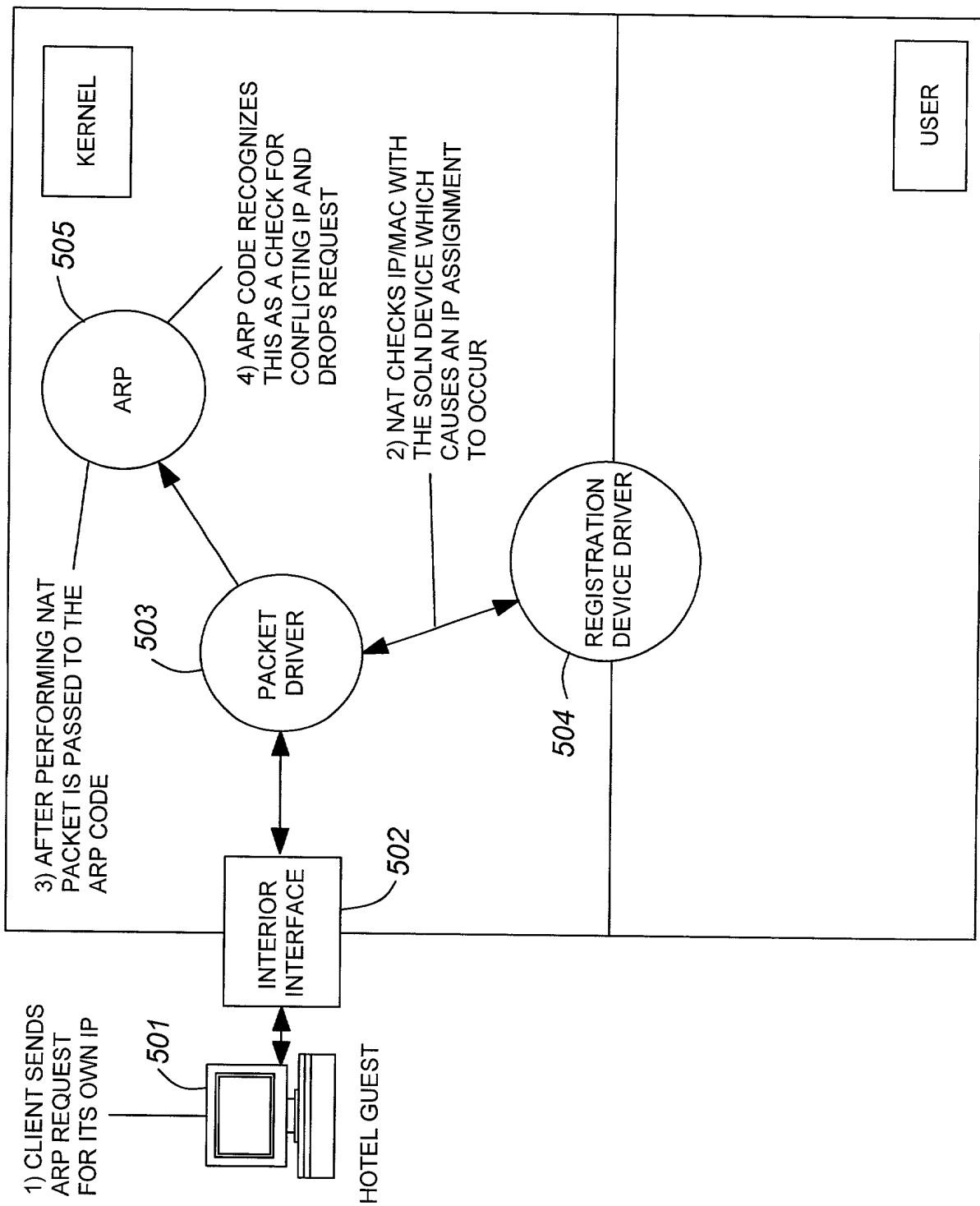


FIG. 11

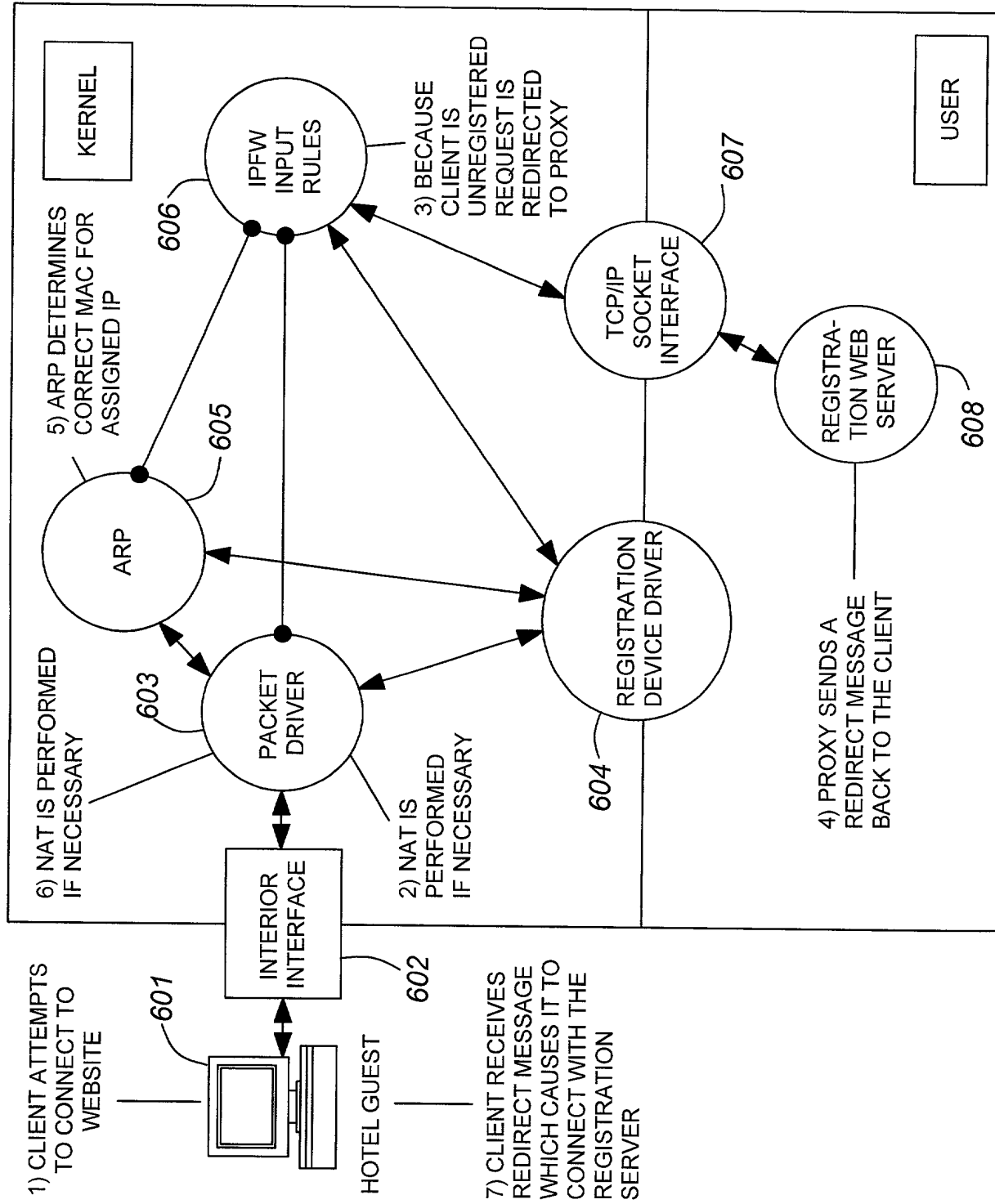


FIG. 12

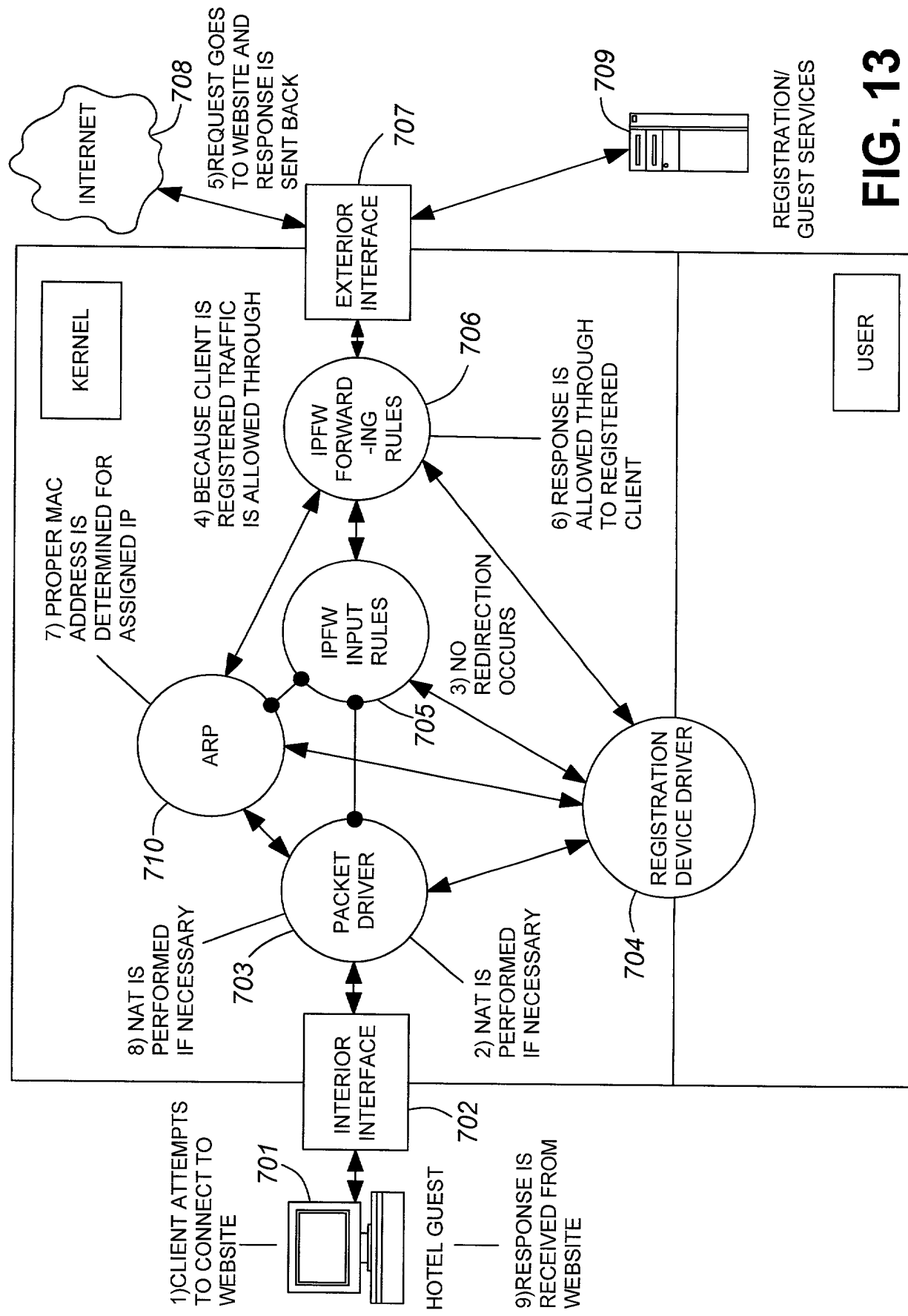


FIG. 13

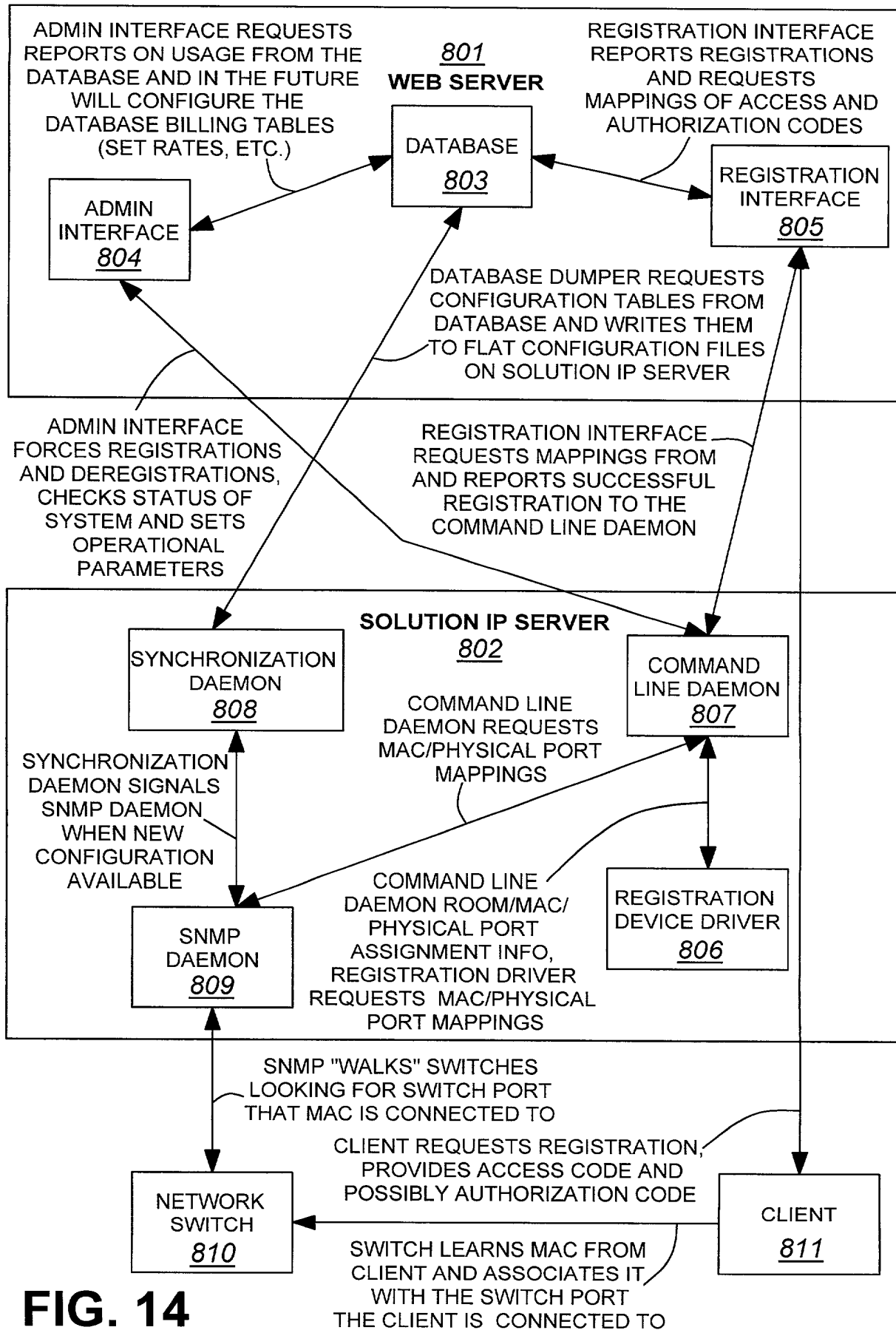


FIG. 14

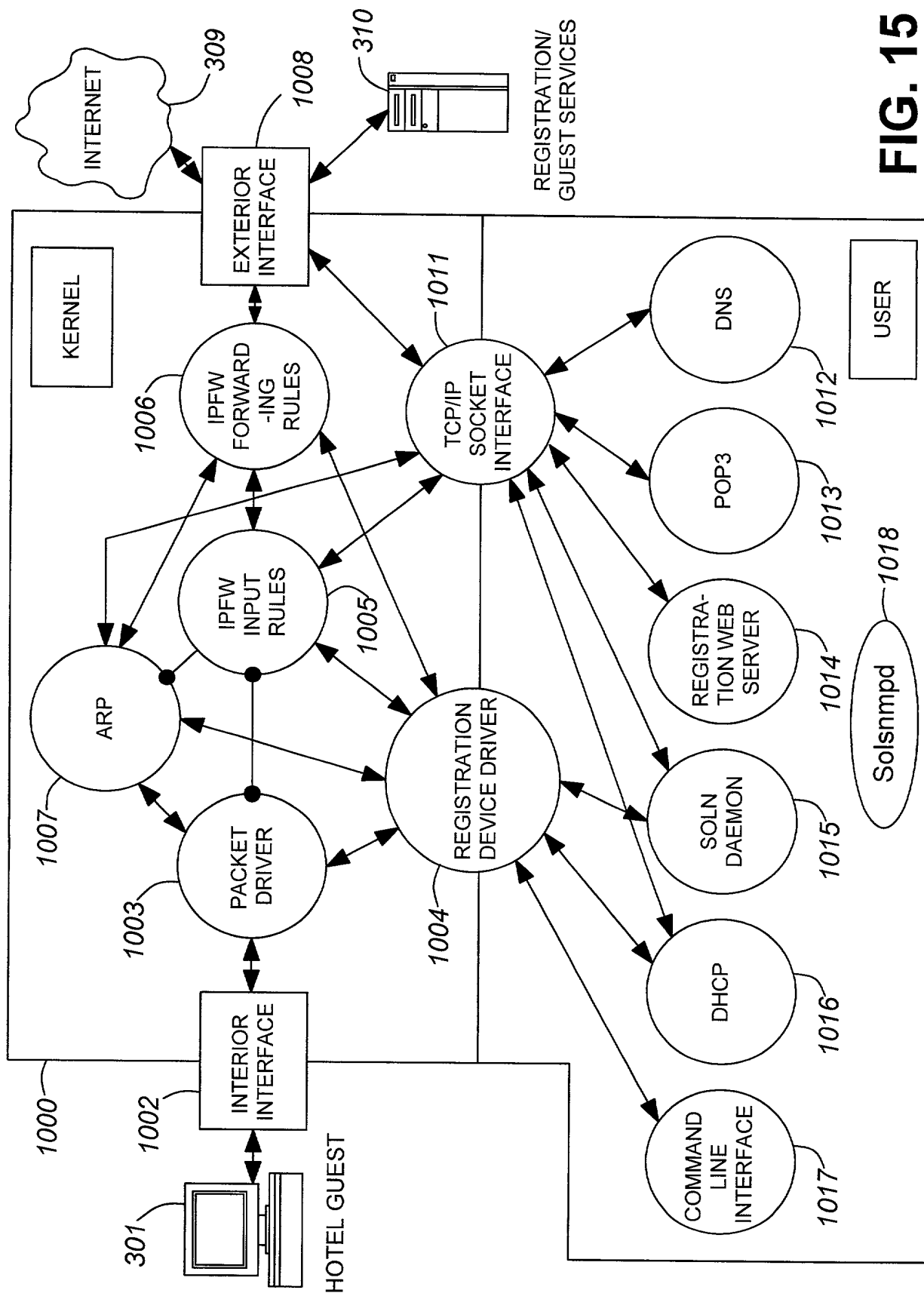


FIG. 15

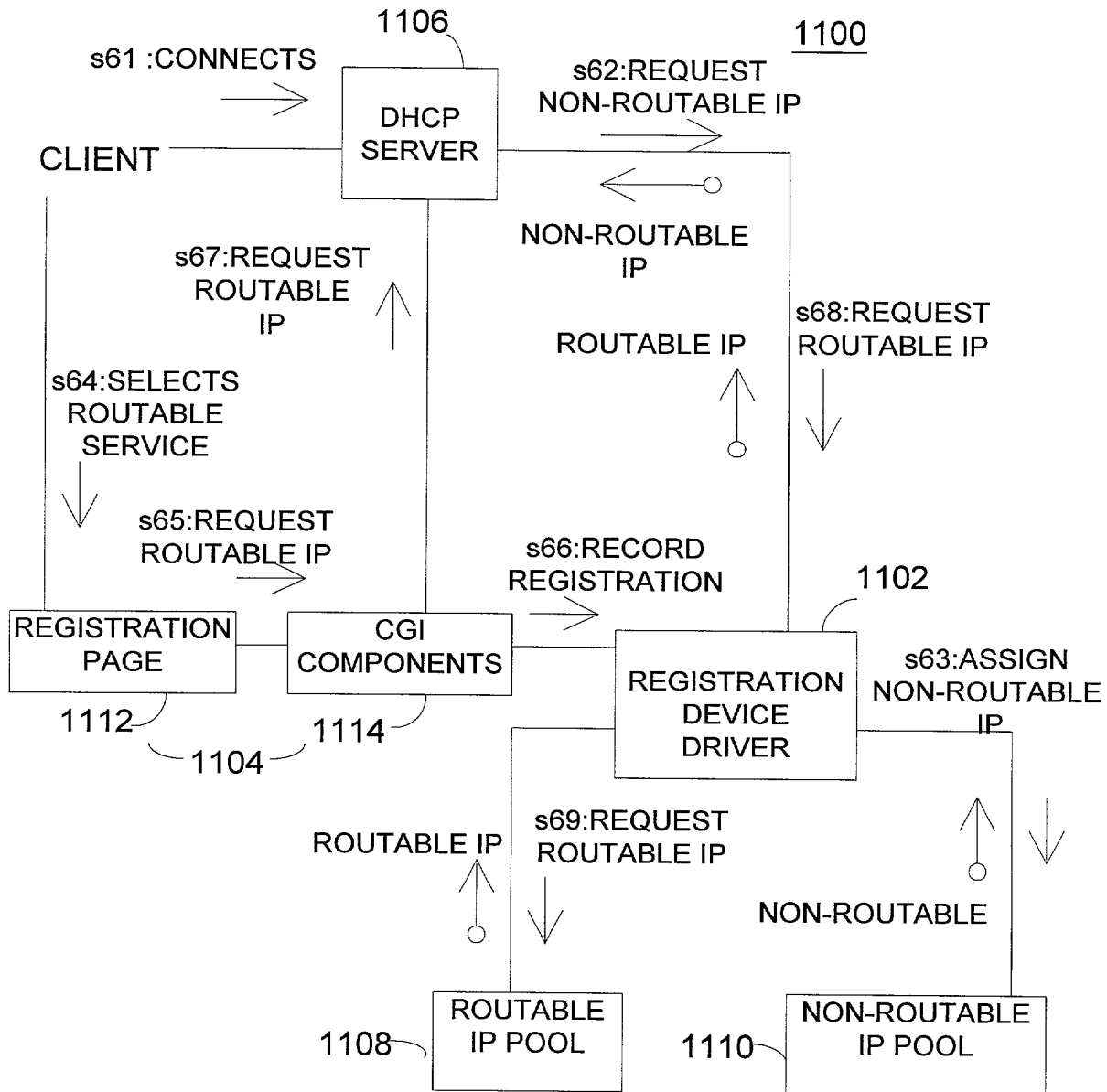


FIG.16

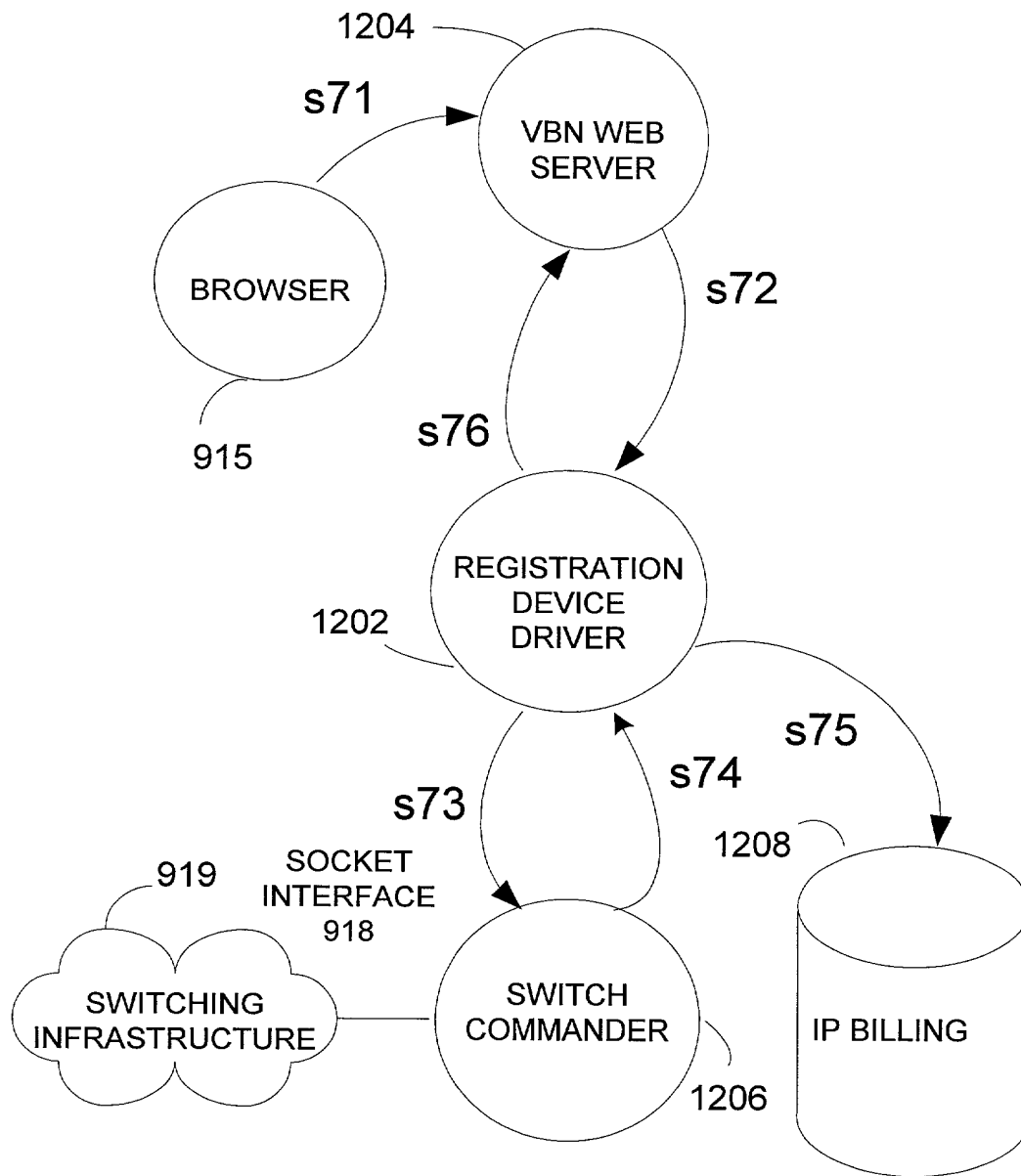


FIG. 17

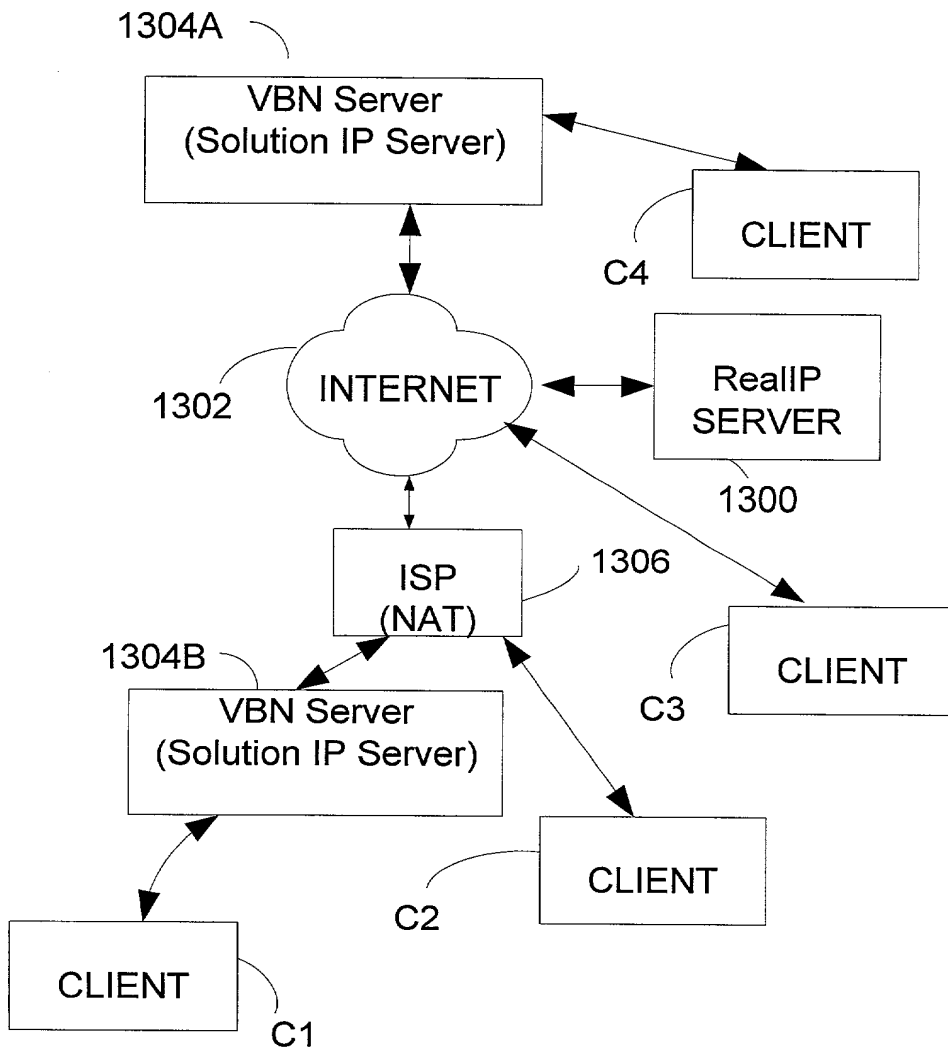


FIG . 18

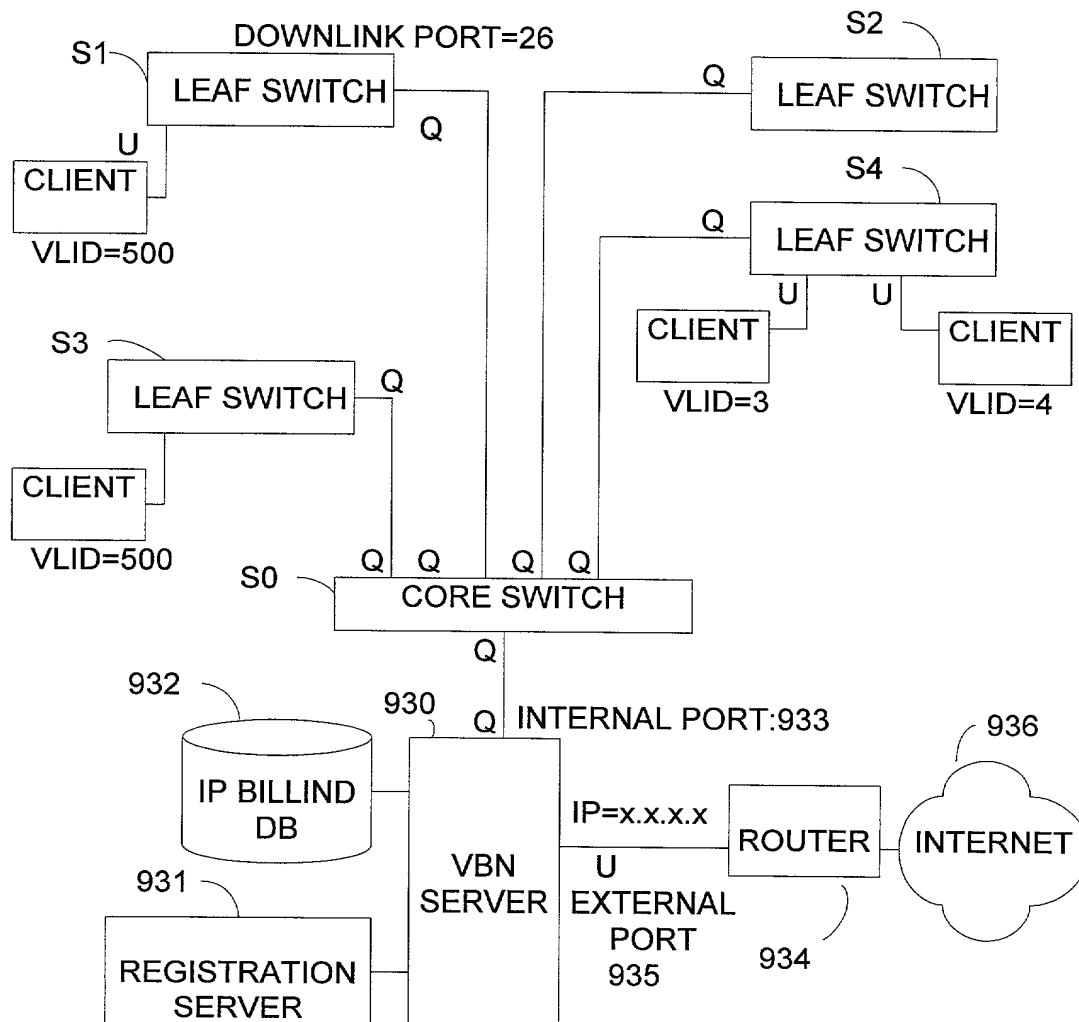


FIG . 19

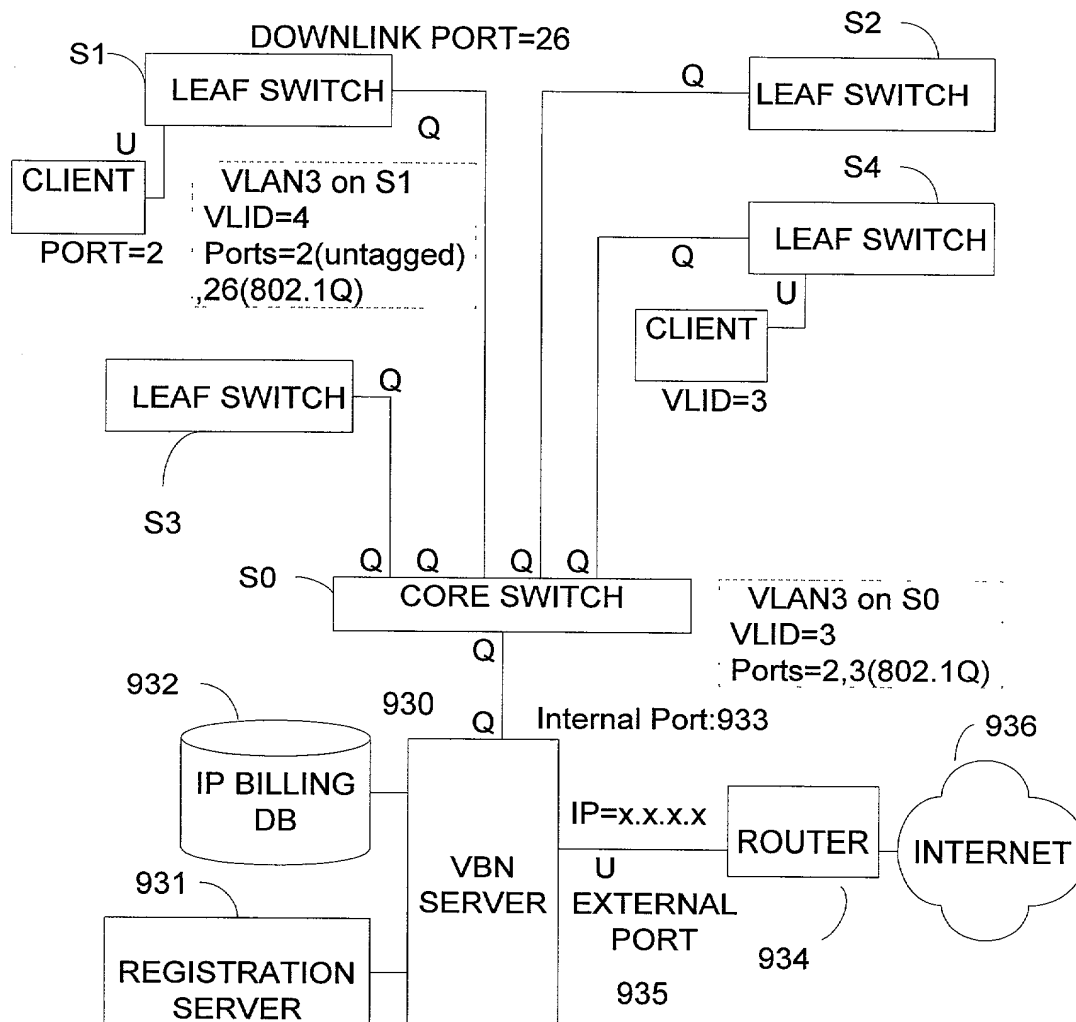


FIG . 20

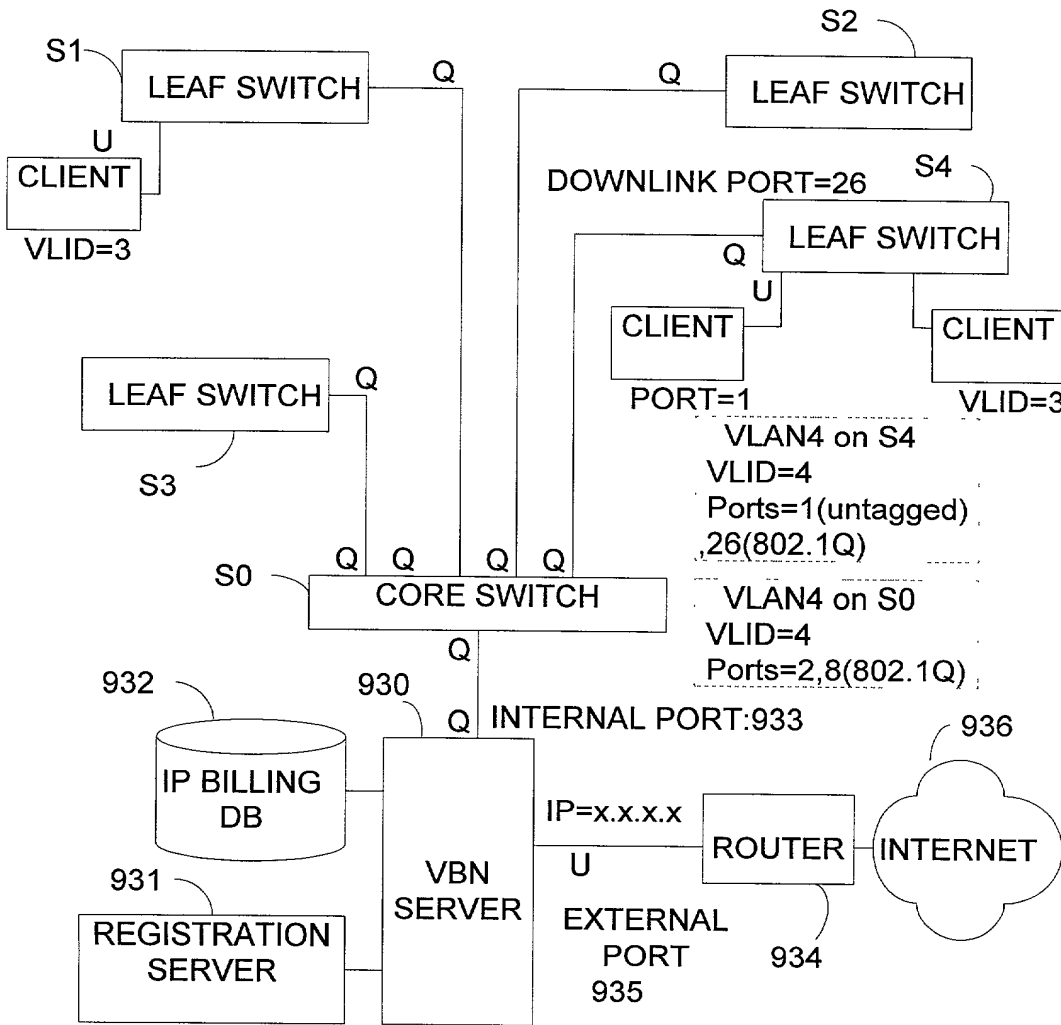


FIG . 21

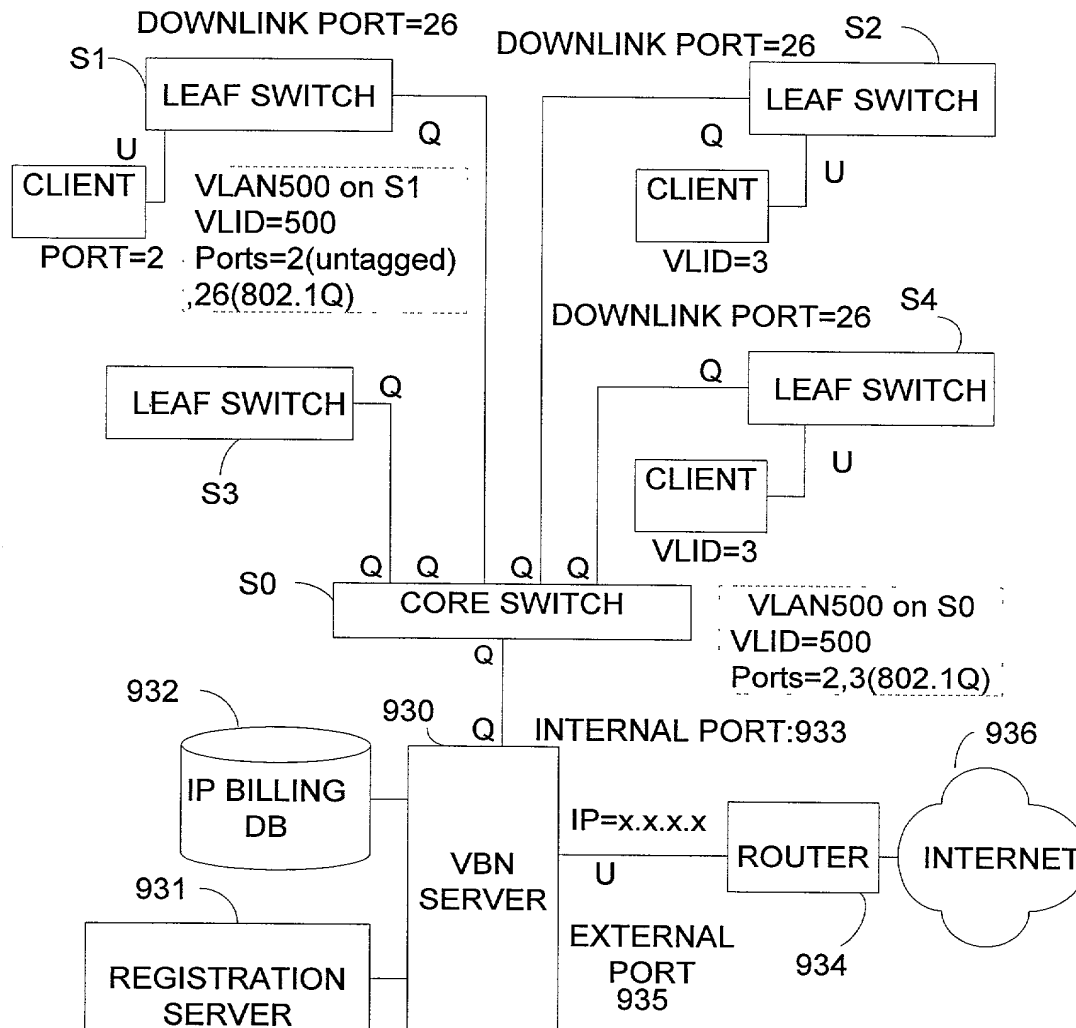


FIG . 22

FIG. 23 is a block diagram of a network architecture. The diagram shows a central CORE SWITCH (S0) connected to four LEAF SWITCHES (S1, S2, S3, S4). Each LEAF SWITCH is connected to a CLIENT. The CORE SWITCH is also connected to an IP BILLING DB (932), a REGISTRATION SERVER (931), and a VBN SERVER (930). The VBN SERVER is connected to a ROUTER (934), which is connected to the INTERNET (936). The diagram includes various labels for ports, VLANs, and VLIDs.

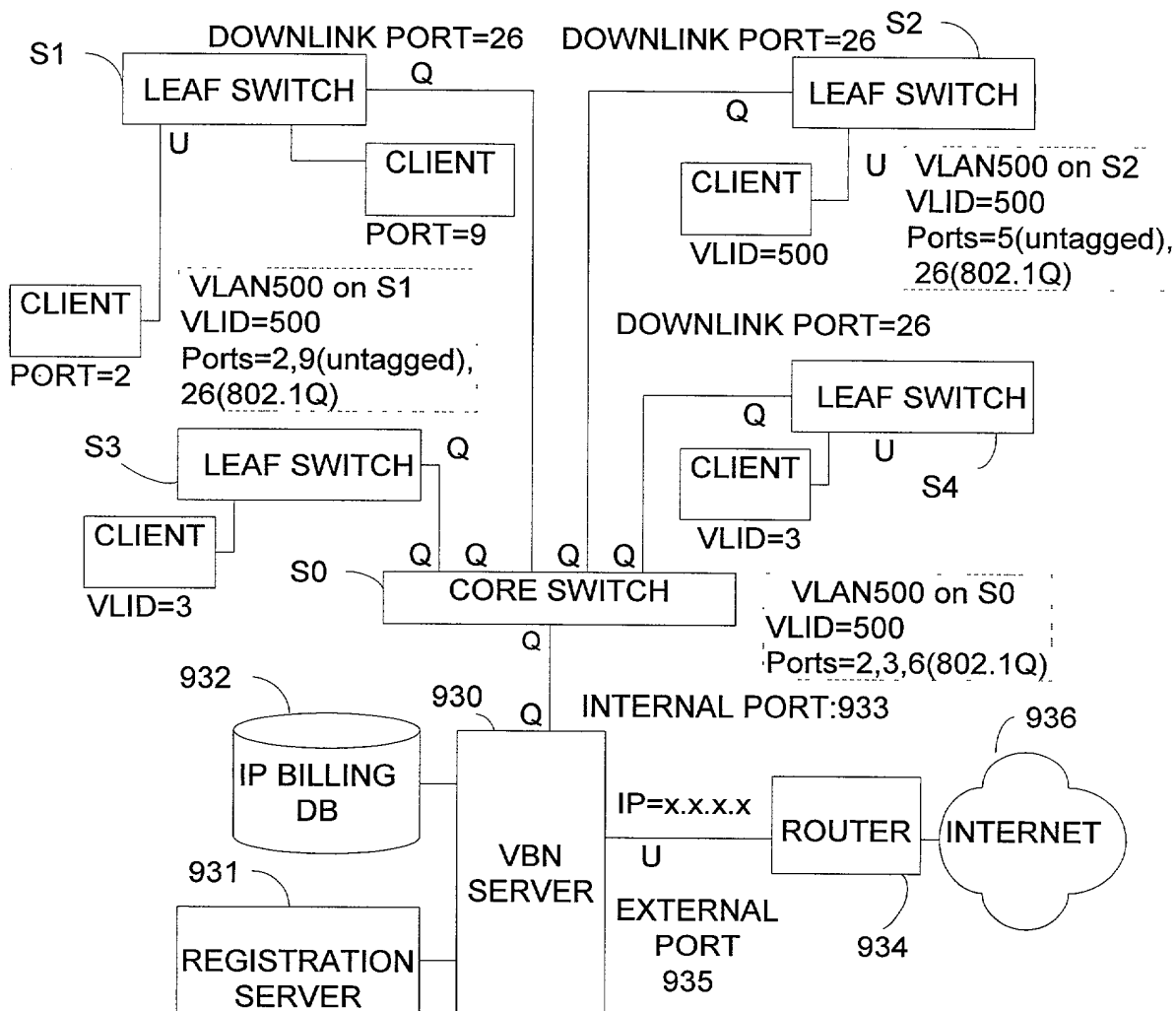


FIG . 23